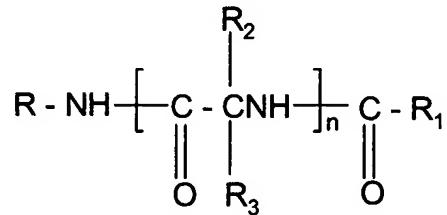


**IN THE CLAIMS:**

This listing of the claims replaces all prior versions and listings of the claims in the application. Please amend the Claims as indicated hereinbelow. Any claim cancelled is cancelled without prejudice.

1-19. (Cancelled)

20. (Currently Amended) A method for the prophylaxis or treatment of migraine headaches in a subject, patient comprising administering to said patient a headache relieving effective amount of a compound of the formula:



wherein

R is hydrogen, lower alkyl, lower alkenyl, lower alkynyl, aryl, aryl lower alkyl, heterocyclic, heterocyclic lower alkyl, lower alkyl heterocyclic, lower cycloalkyl, lower cycloalkyl lower alkyl, and R is unsubstituted or is substituted with at least one electron withdrawing group or electron donating group;

R<sub>1</sub> is hydrogen or lower alkyl[[;]], and R<sub>1</sub> is unsubstituted or substituted with an electron donating group or electron withdrawing group;

R<sub>2</sub> is and R<sub>3</sub> are independently hydrogen, lower alkyl, lower alkenyl, lower alkynyl, aryl lower alkyl, aryl, halo, heterocyclic, heterocyclic lower alkyl, lower alkyl heterocyclic, lower cycloalkyl, lower cycloalkyl lower alkyl, or Z-Y,

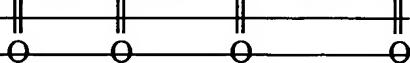
R<sub>3</sub> is lower alkyl, lower alkenyl, lower alkynyl, aryl, aryl lower alkyl, halo, heterocyclic, heterocyclic lower alkyl, lower alkyl heterocyclic, lower cycloalkyl, lower cycloalkyl lower alkyl or ZY; wherein R<sub>2</sub> and R<sub>3</sub> may be unsubstituted or substituted with at least one electron withdrawing group or electron donating group and wherein heterocyclic in R<sub>2</sub> and R<sub>3</sub> is furyl, thienyl, pyrazolyl, pyrrolyl, imidazolyl, indoyl, thiazolyl, oxazolyl, isothiazolyl, isoxazolyl; piperidyl, pyrrolinyl, piperazinyl, quinolyl, triazoyl, tetrazolyl, isoquinolyl, benzofuryl, benzothienyl, morpholinyl, benzoxazolyl, tetrahydrofuryl, pyranyl, indazolyl, purinyl, indolinyl, pyrazolindinyl, imidazolinyl, imidazolindinyl, pyrrolidinyl, furazanyl, N-methylindolyl, methylfuryl, pyridazinyl, pyrimidinyl, pyrazinyl, epoxy, aziridino, oxetanyl, or azetidinyl;:

Z is O, S, S(O)<sub>a</sub>, NR<sub>4</sub>, or PR<sub>4</sub> or NR<sub>6</sub>:

Y is hydrogen, lower alkyl, aryl, aryl lower alkyl, lower alkenyl, or lower alkynyl, heterocyclic, heterocyclic lower alkyl, and Y may be unsubstituted or substituted with an electron donating group or an electron withdrawing group, or

ZY taken together is NR<sub>4</sub>NR<sub>5</sub>R<sub>7</sub>, NR<sub>4</sub>OR<sub>5</sub>, or ONR<sub>4</sub>R<sub>7</sub>, OPR<sub>4</sub>R<sub>5</sub>, PR<sub>4</sub>OR<sub>5</sub>, SNR<sub>4</sub>R<sub>7</sub>, NR<sub>4</sub>SR<sub>7</sub>, SPR<sub>4</sub>R<sub>5</sub>, or PR<sub>4</sub>SR<sub>7</sub>, NR<sub>4</sub>PR<sub>5</sub>R<sub>6</sub>, or PR<sub>4</sub>NR<sub>5</sub>R<sub>7</sub>,

NR<sub>4</sub>C(R<sub>5</sub>)<sub>2</sub>, SCR<sub>5</sub>, NR<sub>4</sub>C(OR<sub>5</sub>)<sub>2</sub>, or SC(OR<sub>5</sub>)<sub>2</sub>;



R<sub>4</sub>, and R<sub>5</sub> and R<sub>6</sub> are independently hydrogen, lower alkyl, aryl, aryl lower alkyl, lower alkenyl, or lower alkynyl, wherein R<sub>4</sub>, and R<sub>5</sub> and R<sub>6</sub> may be are independently unsubstituted or substituted with an electron withdrawing group or an electron donating group; and

R<sub>6</sub>' is hydrogen or lower alkyl and R<sub>6</sub>' may be unsubstituted or substituted with an electron withdrawing group or an electron donating group;

R<sub>7</sub> is COOR<sub>8</sub>, COR<sub>8</sub>, hydrogen, lower alkyl, aryl, or aryl lower alkyl, lower alkenyl or lower alkynyl, which R<sub>7</sub> may be unsubstituted or substituted with an electron withdrawing group or electron donating group;

R<sub>8</sub> is hydrogen or lower alkyl, or aryl lower alkyl, and the aryl or alkyl group may be unsubstituted or substituted with an electron withdrawing group or an electron donating group; and

n is 1-4; n is 1;

a is 1-3;

wherein

~~heterocyclic contains from 3 up to 18 ring atoms and up to a total of 17 ring carbon atoms containing 1 to 4 hetero ring atoms selected from the group consisting of nitrogen, oxygen and sulfur.~~ the electron withdrawing group and electron donating group are selected from the group consisting of halo, nitro, lower alkenyl, lower alkynyl, formyl, aryl, trifluoromethyl, aryl lower alkanoyl, hydroxy, lower alkoxy, lower alkyl, mercapto, lower alkyl-thio and lower alkyldithio.

21. (Currently Amended) The method according to Claim 20 wherein ~~one of R<sub>2</sub> and R<sub>3</sub>~~ is hydrogen.

22-24. (Cancelled)

25. (Currently Amended) The method according to Claim 20 wherein R<sub>2</sub> and R<sub>3</sub> are independently is hydrogen, lower alkyl, aryl, aryl lower alkyl, heterocyclic, heterocyclic lower alkyl or ZY; and

R<sub>3</sub> is lower alkyl, aryl, aryl lower alkyl, heterocyclic, heterocyclic lower alkyl or ZY; wherein R<sub>2</sub> and R<sub>3</sub> are independently unsubstituted or substituted by an electron withdrawing group or electron donating group. Z is O, NR<sub>4</sub> or PR<sub>4</sub>;

Y is hydrogen, lower alkyl, aryl, aryl lower alkyl lower alkyl, heterocyclic or heterocyclic lower alkyl; or

ZY taken together is NR<sub>4</sub>NR<sub>5</sub>R<sub>7</sub>, NR<sub>4</sub>OR<sub>5</sub>, ONR<sub>4</sub>R<sub>7</sub>, NR<sub>4</sub>C(R<sub>5</sub>)<sub>2</sub> or NR<sub>4</sub>C(OR<sub>5</sub>)<sub>2</sub>; and

$\begin{array}{c} || \\ \text{O} - \text{C} - \text{O} \\ || \\ \text{O} \end{array}$

R<sub>4</sub>, R<sub>5</sub> and R<sub>7</sub> are independently hydrogen, lower alkyl, aryl or aryl lower alkyl.

26. (Currently Amended) The method according to Claim 25 wherein R<sub>2</sub> is hydrogen and R<sub>3</sub> is lower alkyl, aryl, aryl lower alkyl, heterocyclic, heterocyclic lower alkyl, or ZY;

Z is O, NR<sub>4</sub> or PR<sub>4</sub>;

Y is hydrogen, lower alkyl, aryl, aryl lower alkyl lower alkyl, heterocyclic or heterocyclic lower alkyl; or

ZY taken together is NR<sub>4</sub>NR<sub>5</sub>R<sub>7</sub>, NR<sub>4</sub>OR<sub>5</sub>, ONR<sub>4</sub>R<sub>7</sub>, NR<sub>4</sub>C(R<sub>5</sub>)<sub>2</sub> or NR<sub>4</sub>C(OR<sub>5</sub>)<sub>2</sub>; and

$\begin{array}{c} || \\ \text{O} - \text{C} - \text{O} \\ || \\ \text{O} \end{array}$

R<sub>4</sub>, R<sub>5</sub> and R<sub>7</sub> are independently hydrogen, lower alkyl, aryl or aryl lower alkyl. which R<sub>3</sub> may be unsubstituted or substituted with an electron withdrawing group or electron donating group.

27. (Currently Amended) The method according to Claim 26 wherein

$R_2$  is hydrogen and  $R_3$  is lower alkyl, which may be unsubstituted or substituted with an electron donating or electron withdrawing group,  $NR_5OR_6$ , or  $ONR_5R_7$ .

28. (Currently Amended) The method according to Claim 26 wherein  $R_3$  is lower alkyl which is unsubstituted or substituted with hydroxy or lower alkoxy or  $NR_4OR_5$  or  $ONR_4R_7$ ; wherein  $R_4$ , and  $R_5$  and  $R_7$  are independently hydrogen or lower alkyl,  $R$  is aryl lower alkyl, which aryl group may be unsubstituted or substituted with an electron withdrawing group and  $R_1$  is lower alkyl.

29. (Original) The method according to Claim 26 wherein  $R_3$  is heterocyclic.

30. (Original) The method according to Claim 29 wherein heterocyclic is heteroaromatic.

31. (Original) The method according to Claim 30 wherein  $R_3$  is furyl, pyridyl, thienyl or thiazolyl.

32. (Original) The method according to Claim 28 wherein aryl is phenyl.

33. (Original) The method according to Claim 28 wherein aryl is phenyl and is unsubstituted or substituted with halo.

34. (Currently Amended) The method according to Claim 20 wherein the compound is

(R)-N-Benzyl-2 acetamido-3-methoxy- propionamide;

O-methyl-N-acetyl-D-serine-m-fluorobenzylamide;

O-methyl-N-acetyl-D-serine-p-fluorobenzylamide;

N-acetyl-D-phenylglycinebenzylamide;

D-1,2-(N, O-dimethylhydroxylamino)-2 acetamid[[o]]e acetic acid benzylamide;

or

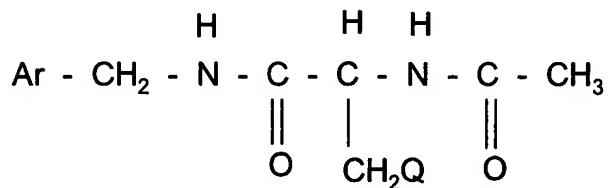
D-1,2-(O-methylhydroxylamino)-2-acetamid[[o]]e acetic acid benzylamide.

35-55. (Cancelled)

56. (Original) The method according to Claim 20 wherein the carbon atom which is substituted by R<sub>2</sub> and R<sub>3</sub> is in the D configuration.

57-62. (Cancelled)

63. (Currently Amended) The method according to Claim 20 wherein Ar is unsubstituted aryl or aryl substituted with an electron donating or electron withdrawing group and halo-wherein the compound has the formula:



and Q is lower alkoxy.

64. (Original) The method according to Claim 63 wherein Q is methoxy.

65. (Original) The method according to Claim 63 wherein Q is methoxy and Ar is unsubstituted aryl or aryl substituted with halo.

66. (Original) The method according to Claim 63 wherein the carbon atom which is bonded to CH<sub>2</sub>Q is in the D configuration.

67. (Original) The method according to Claim 63 wherein the carbon atom which is bonded to CH<sub>2</sub>Q is in the D configuration.

68-72. (Cancelled)

73. (New) The method according to Claim 63 wherein Ar is unsubstituted aryl or aryl substituted with halo.

74. (New) The method according to Claim 20 wherein R is benzyl which may be unsubstituted or substituted with an electron withdrawing group or electron donating group.

75. (New) The method according to Claim 20 where R<sub>1</sub> is methyl.

76. (New) The method according to Claim 20 wherein R is benzyl, R<sub>1</sub> is lower alkyl and R<sub>2</sub> is hydrogen.

77. (New) The method according to Claim 76 wherein R<sub>3</sub> is CH<sub>2</sub>Q, NR<sub>4</sub>OR<sub>5</sub> or NR<sub>4</sub>NR<sub>5</sub>R<sub>7</sub>, wherein Q is lower alkoxy, R<sub>4</sub> is hydrogen or alkyl containing 1-3 carbon atoms, R<sub>5</sub> is hydrogen or alkyl containing 1-3 carbon atoms and R<sub>7</sub> is hydrogen or alkyl containing 1-3 carbon atoms.

78. (New) The method according to Claim 77 wherein R<sub>3</sub> is CH<sub>2</sub>Q.

79. (New) The method according to Claim 20 wherein R<sub>1</sub> is methyl, R is benzyl, R<sub>2</sub> is hydrogen, and R<sub>3</sub> is CH<sub>2</sub>Q wherein Q is methoxy.

80. (New) The method according to Claim 20 wherein R<sub>1</sub> is methyl, R is m-fluorobenzyl, R<sub>2</sub> is H and R<sub>3</sub> is CH<sub>2</sub>Q, wherein Q is methoxy.

81. (Previously Presented) The method according to Claim 20 wherein R<sub>1</sub> is methyl, R is p-fluorobenzyl, R<sub>2</sub> is H, and R<sub>3</sub> is CH<sub>2</sub>Q wherein Q is methoxy.

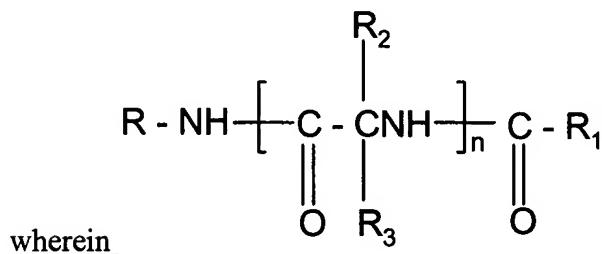
82. (New) The method according to Claim 20 wherein R<sub>1</sub> is methyl, R is benzyl, R<sub>2</sub> is hydrogen and R<sub>3</sub> is phenyl.

83. (New) The method according to Claim 20 wherein R<sub>1</sub> is methyl, R is benzyl, R<sub>2</sub> is hydrogen and R<sub>3</sub> is N(CH<sub>3</sub>)OCH<sub>3</sub>.

84. (New) The method according to Claim 20 wherein R<sub>1</sub> is methyl, R is benzyl, R<sub>2</sub> is hydrogen and R<sub>3</sub> is NH(OCH<sub>3</sub>).

85. (New) The method according to Claim 20 wherein R<sub>1</sub> is methyl, R is fluorophenyl, R<sub>2</sub> is H, and R<sub>3</sub> is CH<sub>2</sub>Q, wherein Q is methoxy.

86. (New) A method for the prophylaxis or treatment of migraine headaches in a patient comprising administering to said patient a headache relieving effective amount of a compound of the formula:



R is aryl lower alkyl and R is unsubstituted or is substituted with at least one electron withdrawing group or electron donating group selected from the group consisting of halo, nitro, lower alkenyl, lower alkynyl, formyl, aryl, trifluoromethyl, aryl lower alkanoyl, hydroxy, lower alkoxy, lower alkyl, mercapto, lower alkylthio, and lower alkyldithio;

R<sub>1</sub> is methyl, and is unsubstituted or substituted with an electron donating group or an electron withdrawing group selected from the group consisting of halo, nitro, lower alkenyl,

lower alkynyl, formyl, aryl, trifluoromethyl, lower alkoxy carbonyl, aryl lower alkanoyl, hydroxy, lower alkoxy, lower alkyl, mercapto, lower alkylthio, and lower alkyldithio;

$R_2$  is hydrogen, lower alkyl, lower alkenyl, lower alkynyl, aryl, aryl lower alkyl, halo, heterocyclic, heterocyclic lower alkyl, lower alkyl heterocyclic, lower cycloalkyl, lower cycloalkyl lower alkyl, or  $ZY$ ;

$R_3$  is lower alkyl, lower alkenyl, lower alkynyl, aryl, aryl lower alkyl, halo, heterocyclic, heterocyclic lower alkyl, lower alkyl heterocyclic, lower cycloalkyl, lower cycloalkyl lower alkyl or  $ZY$ ;

wherein  $R_2$  and  $R_3$  may be unsubstituted or substituted with at least one electron withdrawing group or electron donating group and wherein heterocyclic in  $R_2$  and  $R_3$  is furyl, thienyl, pyrazolyl, pyrrolyl, imidazolyl, indolyl, thiazolyl, oxazolyl, isothiazolyl, isoxazolyl, piperidyl, pyrrolinyl, piperazinyl, quinolyl, triazolyl, tetrazolyl, isoquinolyl, benzofuryl, benzothienyl, morpholinyl, benzoxazolyl, tetrahydrofuryl, pyranyl, indazolyl, purinyl, indolinyl, pyrazolindinyl, imidazolinyl, imidazolindinyl, pyrrolidinyl, furazanyl, N-methylindolyl, methylfuryl, pyridazinyl, pyrimidinyl, pyrazinyl, epoxy, aziridino, oxetanyl or azetidinyl;

$Z$  is O, or  $NR_6'$ ;

$Y$  is hydrogen, lower alkyl, aryl, aryl lower alkyl, lower alkenyl or lower alkynyl, and  $Y$  may be unsubstituted or substituted with an electron donating group or an electron withdrawing group, or

$ZY$  taken together is  $NR_4NR_5R_7$ ,  $NR_4OR_5$ , or  $ONR_4R_7$ ;

$R_6'$  is hydrogen or lower alkyl;

R<sub>4</sub> and R<sub>5</sub> are independently hydrogen, lower alkyl, aryl, aryl lower alkyl, lower alkenyl, or lower alkynyl, and R<sub>4</sub> and R<sub>5</sub> may be independently unsubstituted or substituted with an electron withdrawing group or an electron donating group;

R<sub>7</sub> is COOR<sub>8</sub>, COR<sub>8</sub>, hydrogen, lower alkyl, aryl or aryl lower alkyl, which R<sub>7</sub> may be unsubstituted or substituted with an electron withdrawing group or electron donating group;

R<sub>8</sub> is hydrogen or lower alkyl, or aryl lower alkyl, and the aryl or alkyl group may be unsubstituted or substituted with an electron withdrawing group or an electron donating group; and

n is 1.

87. (New) The method according to Claim 86 wherein R<sub>1</sub> is methyl which is unsubstituted.

88. (New) The method according to Claim 86 wherein R is benzyl, which is unsubstituted or substituted on the phenyl ring with an electron donating group or electron withdrawing group.

89. (New) The method according to Claim 87 wherein R is benzyl, which is unsubstituted or substituted on the phenyl ring with an electron donating group or electron withdrawing group.

90. (New) The method according to Claim 86 wherein R<sub>2</sub> is hydrogen.

91. (New) The method according to Claim 87 wherein R<sub>2</sub> is hydrogen.

92. (New) The method according to Claim 88 wherein R<sub>2</sub> is hydrogen.

93. (New) The method according to Claim 89 wherein R<sub>2</sub> is hydrogen.

94. (New) The method according to Claim 86 wherein R<sub>3</sub> is a lower alkyl which is unsubstituted or substituted with an electron donating group or electron withdrawing group selected from the group consisting of halo, nitro, carboxy, lower alkenyl, lower alkynyl, formyl, aryl, carboxyamido, trifluoromethyl, lower alkoxy carbonyl, aryl lower alkanoyl, hydroxy, lower alkoxy, lower alkyl, amino, lower alkylamino, di lower alkylamino, aryloxy, mercapto or lower alkylthio.

95. (New) The method according to Claim 87 wherein R<sub>3</sub> is a lower alkyl which is unsubstituted or substituted with an electron donating group or electron withdrawing group selected from the group consisting of halo, nitro, carboxy, lower alkenyl, lower alkynyl, formyl, aryl, carboxyamido, trifluoromethyl, lower alkoxy carbonyl, aryl lower alkanoyl, hydroxy, lower alkoxy, lower alkyl, amino, lower alkylamino, di lower alkylamino, aryloxy, mercapto or lower alkylthio.

96. (New) The method according to Claim 88 wherein R<sub>3</sub> is a lower alkyl which is unsubstituted or substituted with an electron donating group or electron withdrawing group selected from the group consisting of halo, nitro, carboxy, lower alkenyl, lower alkynyl, formyl, aryl, carboxyamido, trifluoromethyl, lower alkoxy carbonyl, aryl lower alkanoyl, hydroxy, lower

alkoxy, lower alkyl, amino, lower alkylamino, dilower alkylamino, aryloxy, mercapto or lower alkylthio.

97. (New) The method according to Claim 89 wherein R<sub>3</sub> is a lower alkyl which is unsubstituted or substituted with an electron donating group or electron withdrawing group selected from the group consisting of halo, nitro, carboxy, lower alkenyl, lower alkynyl, formyl, aryl, carboxyamido, trifluoromethyl, lower alkoxycarbonyl, aryl lower alkanoyl, hydroxy, lower alkoxy, lower alkyl, amino, lower alkylamino, dilower alkylamino, aryloxy, mercapto or lower alkylthio.

98. (New) The method according to Claim 90 wherein R<sub>3</sub> is a lower alkyl which is unsubstituted or substituted with an electron donating group or electron withdrawing group selected from the group consisting of halo, nitro, carboxy, lower alkenyl, lower alkynyl, formyl, aryl, carboxyamido, trifluoromethyl, lower alkoxycarbonyl, aryl lower alkanoyl, hydroxy, lower alkoxy, lower alkyl, amino, lower alkylamino, dilower alkylamino, aryloxy, mercapto or lower alkylthio.

99. (New) The method according to Claim 91 wherein R<sub>3</sub> is a lower alkyl which is unsubstituted or substituted with an electron donating group or electron withdrawing group selected from the group consisting of halo, nitro, carboxy, lower alkenyl, lower alkynyl, formyl, aryl, carboxyamido, trifluoromethyl, lower alkoxycarbonyl, aryl lower alkanoyl, hydroxy, lower alkoxy, lower alkyl, amino, lower alkylamino, dilower alkylamino, aryloxy, mercapto or lower alkylthio.

100. (New) The method according to Claim 92 wherein R<sub>3</sub> is a lower alkyl which is unsubstituted or substituted with an electron donating group or electron withdrawing group selected from the group consisting of halo, nitro, carboxy, lower alkenyl, lower alkynyl, formyl, aryl, carboxyamido, trifluoromethyl, lower alkoxy carbonyl, aryl lower alkanoyl, hydroxy, lower alkoxy, lower alkyl, amino, lower alkylamino, di lower alkylamino, aryloxy, mercapto or lower alkylthio.

101. (New) The method according to Claim 93 wherein R<sub>3</sub> is a lower alkyl which is unsubstituted or substituted with an electron donating group or electron withdrawing group selected from the group consisting of halo, nitro, carboxy, lower alkenyl, lower alkynyl, formyl, aryl, carboxyamido, trifluoromethyl, lower alkoxy carbonyl, aryl lower alkanoyl, hydroxy, lower alkoxy, lower alkyl, amino, lower alkylamino, di lower alkylamino, aryloxy, mercapto or lower alkylthio.

102. (New) The method according to any one of Claims 86-101 wherein R<sub>3</sub> is lower alkyl substituted by an electron donating group.

103. (New) The method according to Claim 102 wherein R<sub>3</sub> is lower alkyl substituted by lower alkoxy.